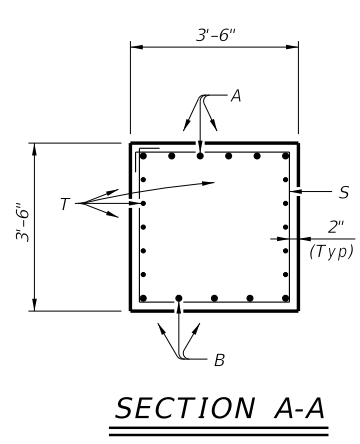
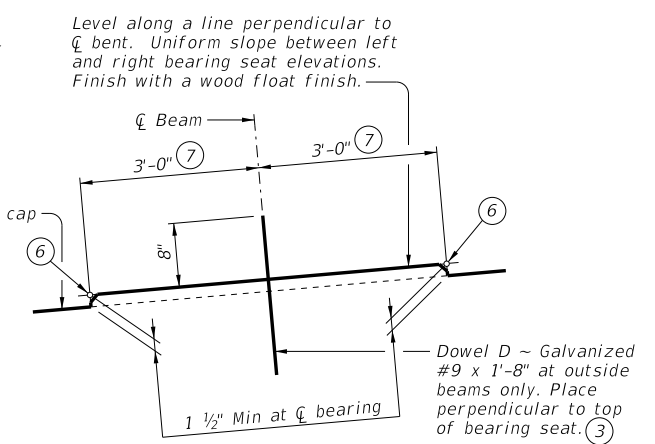
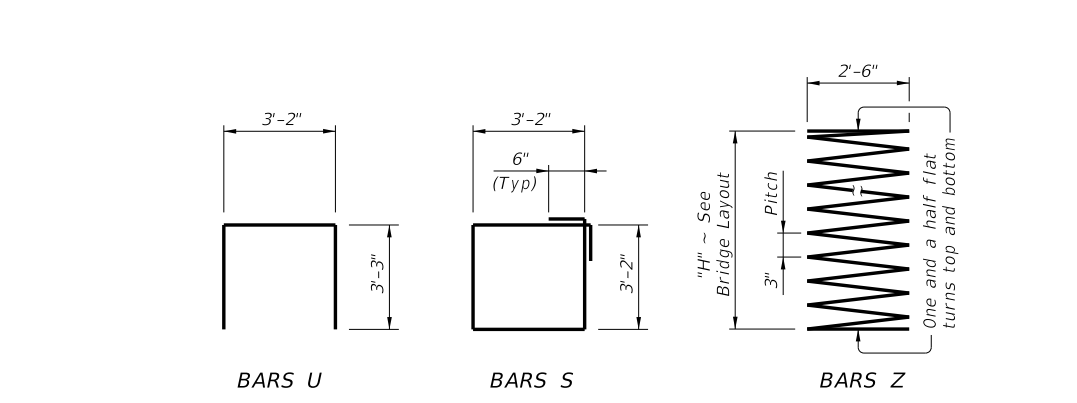
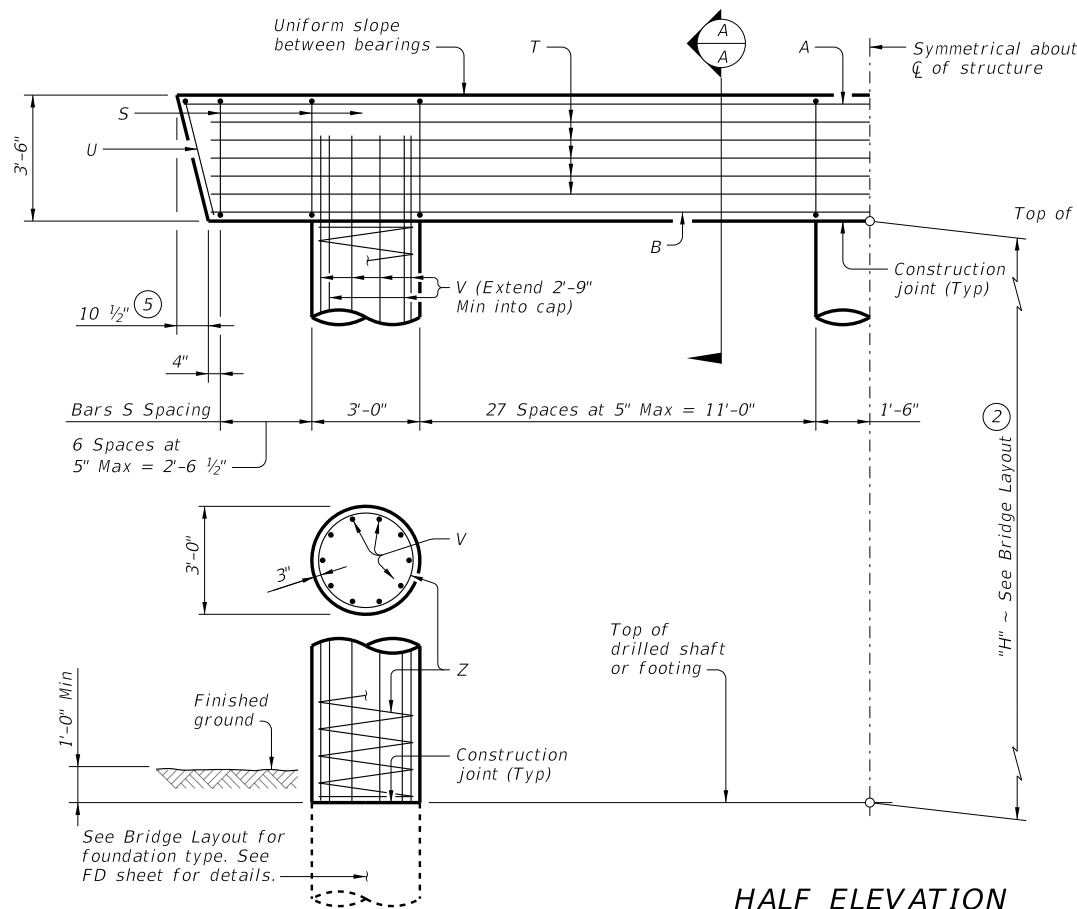
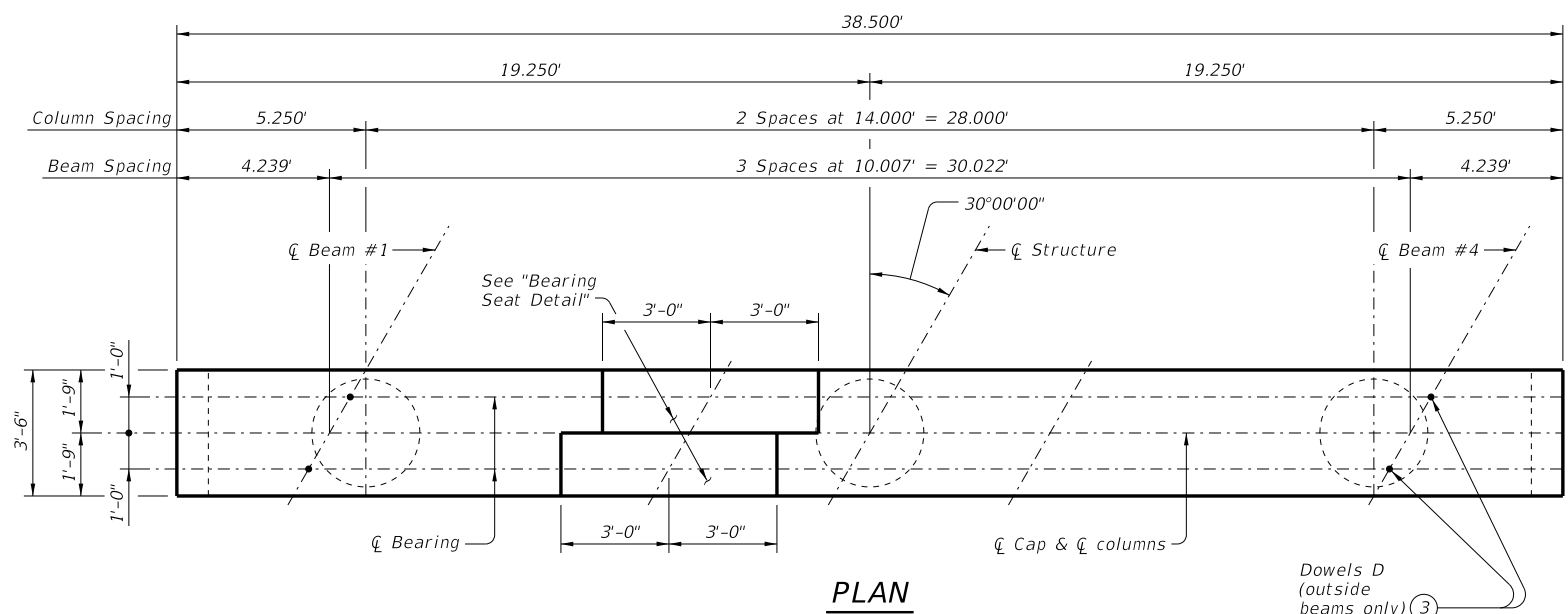


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DATE: FILE:



Bar	No.	Size	Length	Weight	
A	6	#11	38'-0"	1,211	
B	5	#11	36'-6"	970	
D (3)	4	#9	1'-8"	23	
S	70	#5	13'-8"	998	
T	10	#5	36'-6"	381	
U	2	#5	9'-8"	20	
V	30	#9	38'-9"	3,953	
Z	3	#4	1154'-7"	2,314	
Reinforcing Steel				Lb	9,870
Class "C" Concrete (Cap)				CY	17.5
Class "C" Concrete (Col)				CY	28.3

Span Average	Drilled Shaft Loads	Pile Load (Tons/Pile)		
		3 Pile Ftg	4 Pile Ftg	5 Pile Ftg
Ft	Tons/Shaft			
40	126	46	35	29
45	136	49	37	31
50	145	52	40	33
55	155	56	42	35
60	165	59	45	37
65	174	62	47	39
70	184	65	50	40
75	194	69	52	42
80	203	72	54	44
85	213	75	57	46
90	222	78	59	48
95	232	81	61	50
100	241	84	64	52
105	251	88	66	54

MATERIAL NOTES:
 Provide Class C concrete ($f'c = 3,600$ psi).
 Provide Class C (HPC) concrete if shown elsewhere in the plans.
 Provide Grade 60 reinforcing steel.
 Galvanize dowel bars D.

GENERAL NOTES:
 Designed according to AASHTO LRFD Bridge Design Specifications. See Bridge Layout for foundation type, size and length. See Common Foundation Details (FD) standard for all foundation details and notes.
 See Shear Key Details (XBSK) standard sheet for all shear key details and notes if applicable.
 Bent selected must be based on the average span length, rounded up to the next 5-foot increment.
 Details are drawn showing right forward skew. See Bridge Layout for actual skew direction.
 These bent details may be used with standard SXB-32-30 only.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.

- BEARING SEAT DETAIL**
 (Remove all loose material and clean bearing surface before placing the bearing pad.)
- Quantities shown are based on an "H" value of 36'. For each linear foot variation in "H" value, make the following adjustments:
 Bars V length, 1'-0"
 Bars Z length, 31'-5"
 Reinforcing Steel, 165 lb
 Class C Concrete (Col), 0.78 CY
 - This standard may not be used for "H" heights exceeding 36'. In areas of very soft soil or where scour is anticipated, allowable "H" heights must be evaluated by the Engineer prior to the use of this standard.
 - Omit Dowels D at end of multi-span units. Adjust reinforcing steel total accordingly.
 - Foundation Loads based on "H" = 36'.
 - Measured parallel to top of cap cross-slope.
 - Right and left elevations and locations are provided elsewhere.
 - Measured along centerline of bearing.

HL93 LOADING

Texas Department of Transportation
 Bridge Division Standard

**INTERIOR BENTS
 PRESTR CONC X-BEAMS
 (TYPE 5XB20 THROUGH 5XB40)
 32' ROADWAY 30° SKEW
 BXB-32-30**

FILE: XB-BXB3230-22.dgn	DN: BMP	CK: EFC	DW: JER	CK: BMP
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REVISIONS				
	DIST	COUNTY		SHEET NO.